Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/06/2021 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125528	0	1.26	125429	1.26
Blue	F	SSC	125000	125518	0	2.30	125836	2.16
Blue	E	FITC	13131	12852	-3	2.35	297	15.61
Blue	D	PE	24112	24100	-1	1.75	553	11.05
Blue	B	PerCP-Cy5-5	31295	30750	-2	3.05	1018	14.08
Blue	A	PE-Cy7	19939	20081	0	5.16	537	29.02
Red	C	APC	42122	41608	-2	2.87	1746	11.11
Red	A	APC-Cy7	22340	21949	-2	3.20	824	11.44
Violet	B	V450	7410	7169	-4	3.21	436	12.45
Violet	A	V500	28118	27115	-4	2.82	677	9.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23387	1.28	567	-2	N/A	N/A	Pass
Blue	F	SSC	58418	1.08	519	7	N/A	N/A	Pass
Blue	E	FITC	55	57.02	486	-1	0.0454	281	Pass
Blue	D	PE	118	37.51	489	1	0.3843	314	Pass
Blue	B	PerCP-Cy5-5	192	35.14	585	-1	0.0217	104	Pass
Blue	A	PE-Cy7	109	67.39	629	1	0.0221	2	Pass
Red	C	APC	403	23.81	577	1	0.0301	246	Pass
Red	A	APC-Cy7	184	27.49	552	1	0.0066	1317	Pass
Violet	B	V450	61	65.03	455	2	0.0665	2741	Pass
Violet	A	V500	98	35.84	466	1	0.0256	1061	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.77	-31.45	1.08
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.48	13.60 - 20.40	N/A	N/A	29.69	30.08	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10324

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments